INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18364

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : F16H 27/02 US CL : 74/89.42, 89.23, 412R, 424.71, 441 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 74/89.42, 89.23, 412R, 424.71, 441			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.
x	US 4,249,426 A (Erikson et al.) 10 February 1981 (1	0.02.1981), see all.	1-24
A	US 2,715,341 A (Hogan) 16 August 1955 (16.08.1955), see all.		1-24
A	US 4,131,031 A (Erikson et al.) 26 December 1978 (26.12.1978), see all.		1-24
A	US 4,679,457 A (Nishikawa et al.) 14 July 1987 (14.07.1987), see all.		1-24
A	US 4,753,122 A (Nishikawa et al.) 28 June 1988 (28.06.1988), see all.		1-24
A	US 5,839,321 A (Siemons) 24 November 1998 (24.11.1998), see all.		1-24
A	US 6,240,798 B1 (Erikson et al.) 05 June 2001 (05.06.2001), see all.		1-24
Further documents are listed in the continuation of Box C. See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but dited to understand the principle or theory underlying the invention	
•	plication or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being	
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"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
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JU Way 2003 (30:05:2005)			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Thomas Hannon Telephone No. (571) 272-7104	
Facsimile No		L	

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